

AMENDMENT TO THE ABSTRACT

Please replace the current Abstract with the attached.

Abstract

Problem

~~_____To provide a current limiter circuit and a motor drive circuit, which can protect a power transistor of a driver IC by preventing an over-current thereof when an externally provided reference voltage generator circuit for detecting a rated current value malfunctions and can allow a continuous use of the driver IC.~~

Means for Resolution

A current limiter circuit in an IC ~~including~~ having a power transistor and an output current detection circuit connected in series with the power transistor, ~~comprises a~~ A comparator, a first reference voltage generator circuit and a second reference voltage generator circuit are also included in the current limiter circuit. The comparator generates a control signal for stopping a drive of the power transistor for a predetermined time, ~~according to a detection signal obtained by the output current detection circuit and a first reference voltage obtained by the first reference voltage generator circuit when an output current of the power transistor reaches a predetermined limit value and the~~ The comparator generates the control signal according to a detection signal obtained by the output current detection circuit and a second reference voltage obtained by the second reference voltage generator circuit when the output current of the power transistor reaches a predetermined value larger than the predetermined limit value. The first reference voltage generator circuit is

~~proved~~provided externally of the IC and the second reference voltage generator circuit is included within the IC.